

Goal 2: Safe and Clean Water – Ensure drinking water is safe. Restore and maintain oceans, watersheds, and their aquatic ecosystems to protect human health, support economic and recreational activities, and provide healthy habitat for fish, plants, and wildlife.			
Objective 2.1: Water Safe for Swimming			
Subobjective 2.1.3: Reduce Pathogen Levels in Recreational Waters Generally			
Work Plan Component/Program: NPDES - CSOs	EPA Contact (s): Brian Trulear	State Contact: Ron Furlan / Sean Furjanic	PRC: 202B06
Program Description: Pennsylvania’s CSO Program - Implement DEP’s February 2002 final CSO Strategy and associated CSO general permit (PAG#6). All CSO permit renewals will be issued in accordance with major permit commitment schedule.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.	SS-1: Number and national percent, using a constant denominator, of Combined Sewer Overflow (CSO) permits with a schedule incorporated into an appropriate enforceable mechanism, including a permit or enforcement order, with specific dates and milestones, including a completion date consistent with Agency guidance, which requires: 1) Implementation of a Long Term Control Plan (LTCP) which will result in compliance with the technology and water quality-based requirements of the Clean Water Act; or 2) implementation of any other acceptable CSO control measures consistent with the 1994 CSO Control Policy; or 3) completion of separation after the baseline date (cumulative).	<p><u>OUTPUTS:</u></p> <p>Update and keep current the state inventory of all CSO communities; including those that have implemented, or are on a schedule to implement, a long-term control plan, as well as the mechanism used (e.g., permit requirement, enforcement action). Provide updated information semi-annually to EPA Region 3’s CSO coordinator.</p> <p>Pennsylvania has 36 CSO communities covered under a General Permit and 107 communities with individual permits. NPDES permits for CSO communities shall be issued in conformance with the National CSO policy and Wet Weather Water Quality Act of 2000 and the PA DEP CSO strategy.</p> <p><u>ACTIVITIES:</u></p> <p>Track and provide follow-ups on CSO permit schedules and assure controls required in either the permit or enforcement order are implemented.</p> <p>The CSO discharge(s) shall comply with the performance standards of the selected CSO controls and shall comply with the water quality standards found in Chapter 93. When additional CSO-related information and data are available to revise water quality-based effluent limitations, the permit should be revised, as appropriate, to reflect the new effluent limitations. CSO municipalities must have either:</p> <ul style="list-style-type: none"> a) An enforceable schedule to separate their combined sewer system; or b) An evaluation that determined water quality standards are being attained and a long term control plan is not needed; or c) An LTCP with milestones enforced in their NPDES permit. <p>PA DEP will have 74% LTCP approved by the end of FFY 2011 for an accumulative total of 110 approved LTCPs.</p> <p>When necessary or warranted, initiate appropriate enforcement action against CSO communities not in compliance with the CSO policy, including requirements in permits or enforcement orders.</p>	DEP maintains a list of CSO permits, LTCPs, NMCs, and Consent Order & Agreements and provided the latest list to EPA Region 3 on October 3, 2011 (email from DEP’s NPDES Permits Section to Brian Trulear). At the end of this reporting period, 99 CSO facilities with NPDES permits have been issued. Of these, 78 have approved LTCPs. Overall, out of 137 CSO facilities, 87 have approved LTCPs (including several that do not yet have an NPDES permit).

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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis – Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: Water Quality Standards Workyears:	EPA Contact (s): Denise Hakowski	State Contacts: Measure WQ-1a, b & c: Bill Brown. Measure WQ-3a: Tom Barron	PRC: 202B06
Program Description: Pennsylvania’s Water Quality Standards Program			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Number of Pennsylvania’s watersheds where: water quality standards are <i>met <u>or improved</u></i> in at least 80% of the assessed water segments which result in improved conditions of water quality.	<p>WQ-1a: Number of numeric water quality standards for total nitrogen and for total phosphorus adopted by States and Territories and approved by EPA, or promulgated by EPA, for all waters within the State or Territory for each of the following waterbody types: lakes/reservoirs, rivers/streams, and estuaries (cumulative, out of a universe of 280).</p> <p>WQ-1b: Number of numeric water quality standards for total nitrogen and total phosphorus at least proposed by States and Territories, or by EPA proposed rulemaking, for all waters within the State or Territory for each of the following waterbody types: lakes/reservoirs, rivers/streams, and estuaries (cumulative, out of a universe of 280).</p>	<p>WATER QUALITY STANDARDS PROGRAM:</p> <p><u>OUTPUTS:</u></p> <p>Continue to develop nutrient criteria for surface waters (streams and lakes) in Pennsylvania.</p> <p><u>ACTIVITIES:</u></p> <p>Contract services to collect and evaluate scientific data related to nutrient criteria development in streams and lakes.</p> <p>Laboratory analysis and equipment purchase for filling data gaps.</p> <p><u>OUTPUTS:</u></p> <p>Update Pennsylvania’s Nutrient Criteria Development Plan as necessary.</p> <p><u>ACTIVITIES:</u></p> <p>Continue data collection and assimilation for streams and lakes in accordance with agreed upon nutrient criteria development schedule.</p> <p>Report progress to EPA periodically through conference calls and written correspondence relating achievements to targeted milestones.</p>	<p>Fall sampling for the Stroud study (ARRA funded) was completed and all algal species data were provided to Stroud. A delay in when the original ARRA funding was received led to a delay in Stroud purchasing materials and constructing the artificial channels. Stroud has provided a draft report and suggested that any additional time that could be provided would allow for the detailed analysis that the volumes of data require.</p> <p>The Nutrient Releasing Substrata study (funded by DEP through state Growing Greener) was completed, and DEP received the final report at the above mentioned meeting. DEP will provide EPA a copy of the report.</p> <p>The Rigorous Validation Study (funded by DEP through state Clean Water Fund) is still in progress. DEP TMDL staff collected data for the project at 6 sites across Pennsylvania with 27 separate periphyton samples being collected in each of the 4 seasons (a total of almost 650 rock scrapings) along with continuous field chemistry measurements of dissolved oxygen, pH, temperature, and specific conductance. The data (water column nutrients, benthic chlorophyll and nutrients, continuous dissolved oxygen, and pH) have been analyzed in the lab. The results are currently being analyzed by Dr. Carrick to answer questions of temporal, inter-site, and intra-site variability. DEP expects this study to be finalized by the end of fall 2011.</p> <p>The Light Intensity Study (funded by state Growing Greener) is in the data analysis stage with data collected over 5 light treatments and 6 nutrient levels. Though it probably will not be</p>

	<p>WQ-1c: Number of States and Territories supplying a full set of performance milestone information to EPA concerning development, proposal, and adoption of numeric water quality standards for total nitrogen and total phosphorus for each waterbody type within the State or Territory (annual). (The universe for this measure is 56.)</p> <p>WQ-3a: Number, and national percent, of States and Territories that within the preceding three year period, submitted new or revised water quality criteria acceptable to EPA and reflect new scientific information from EPA or other resources not considered in the previous standards.</p>	<p><u>OUTPUTS:</u></p> <p>Complete a review of Pennsylvania’s Water Quality Standards and make changes, as appropriate, at least once every 3 years.</p> <p><u>ACTIVITIES:</u></p> <p>Pennsylvania’s current Triennial Review of WQS (TR08) has been completed and PA DEP is considering other water quality issues that may be appropriate for the next triennial review or an independent rulemaking. These issues will include updates to recommended water quality criteria and methodologies, possible changes to temperature criteria and revisions to the Antidegradation regulation. The on-going EPA HQ review of bacteriological indicators and nutrient criteria development are tasks with schedules that may not coincide with the projected Triennial Review timeline. DEP intends to consider recommendations on both of these issues as soon as supporting data are made available. Separate rulemaking actions will be initiated as soon as practicable irrespective of future triennial review schedules.</p> <p>Evaluate the effectiveness of using a mathematical model for 2 bacteriological indicators of water contact recreational use attainment using data collected during the Pine Creek Pilot Study.</p> <p>Antidegradation: Implement approved Antidegradation Guidance and companion Permitting Guidance through PA DEP field offices and cooperating County Conservation District Offices. Review the performance of each and note areas of concern that may require future edits</p> <p>Other Water Quality Standards Activity: Maintain surface water quality standards; develop human health and aquatic life criteria for substances as needed; interpret reports and recommendations; prepare rulemaking packages for site-specific changes to water quality standards, such as stream redesignations; correct errors and omissions discovered in implementation of the standards; review and update technical guidance documents to reflect changes in water quality standards; and continue development of the WQS database.</p>	<p>finalized by September 30, 2011, it is expected that this project will be completed by the end of the calendar year.</p> <p>Lake nutrient criteria development is still awaiting N-STEPS assistance. DEP’s Nutrient Criteria Development Plan (NCP) discussed the need for such assistance. Further, all communications with Region 3 have reinforced the need for N-STEPS assistance as DEP does not have in-house resources available for the statistical analysis of our lake geodatabase. An estimated completion date for the lake data summarization and preliminary analysis is hard to offer given the uncertainty of getting N-STEPS assistance and how long the N-STEPS process would take if it is provided. ct.</p> <p>EPA Region 3 approved Pennsylvania’s most recent Triennial Review of WQS (TR08) in a letter dated April 15, 2010. DEP has initiated development of the next triennial review of WQS by reviewing and evaluating available scientific literature, and any new federal recommendations or guidance that has been issued following, or that were not included in, the previous triennial reviews. DEP is continuing to develop the scope and rationale documents regarding the criteria and standards issues to be reviewed and considered during this triennial review. This includes ongoing coordination with WQS staff at EPA Region 3 & Headquarters for several issue-specific guidances and assistance. DEP is also sharing this review during dedicated meetings with DEP’s Water Resource Advisory Committee (WRAC), seeking their concurrence on moving forward with proposed rulemaking, which is expected during the next reporting period.</p> <p>DEP evaluated the effectiveness of using a mathematical model based on the Pine Creek Pilot Study. A number of conference calls were held with the contractor, and the model was evaluated by DEP staff. The contractor was informed of DEP’s evaluation. Since that time, no further work has been conducted.</p> <p>DEP’s Central and Regional Office staff consulted, as needed during this reporting period, on implementation of the Commonwealth’s Antidegradation Policy; development of human health and aquatic life site-specific criteria and guidance; and other related WQS review and implementation activities. These are continual, on-going activities that are performed as needed.</p>
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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis – Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: Workyears:	EPA Contact (s): Larry Merrill	State Contact: Gary Walters	PRC: 202B06
Program Description: This task captures those waterbodies that have been removed from the impaired category of the integrated list.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Number of Pennsylvania’s watersheds where: water quality standards are <i>met or improved</i> in at least 80% of the assessed water segments; and all assessed water segments maintain their quality and at least 20% of assessed water segments show improvements above conditions as of 2002.	SP-10: Number of waterbodies identified in 2002 as not attaining water quality standards where standards are now fully attained. (cumulative).	WATER QUALITY ASSESSMENT/REPORTING PROGRAM: <u>OUTPUTS:</u> Complete the 2011 305(b) update and submit to EPA Region III by 4/1/2011. <u>ACTIVITIES:</u> Report Integrated Report revisions including waterbodies moved from Category 5 to Category 1.	Due to the late submittal and approval of the 2010 integrated report, the 2011 305(b) update was not compiled or submitted. However, the 305(b)/303(d) Streams and Lakes database was submitted to EPA Region 3 in July. No waterbodies were moved from Category 5 to Category 1 during the reporting period. However, compilation of the data for the 2012 Integrated Report has begun.

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Work Plan Component/Program: Workyears:	EPA Contact (s): Larry Merrill	State Contact: Gary Walters	PRC: 202B06
Program Description: This task captures incremental restoration on a watershed basis			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Number of Pennsylvania’s watersheds where: water quality standards are <i>met or improved</i> in at least 80% of the assessed water segments; and all assessed water segments maintain their quality and at least 20% of assessed water segments show improvements above conditions as of 2002.	SP-12: Improve water quality conditions in impaired watersheds nationwide using the watershed approach (cumulative).	WATER QUALITY ASSESSMENT/REPORTING PROGRAM: <u>OUTPUTS:</u> Complete the 2011 305(b) update and submit to EPA Region III by 4/1/2011. <u>ACTIVITIES:</u> Report Integrated Report revisions including waterbodies moved from Category 5 to Category 2. Reissue NPDES permits in accordance with approved TMDLs. Identify impaired <u>watersheds</u> (Categories 4 & 5) where implemented BMPs suggest water quality improvement and re-assess.	See response for SP 10 above. Nineteen waterbodies were moved from Category 5 to Category 2 during the reporting period. Twenty-seven waterbodies with implemented BMPs have been scheduled for survey after referral from the Section 319 staff during the reporting period.

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Work Plan Component/Program: Monitoring Workyears:	EPA Contact (s): Larry Merrill	State Contacts: Tony Shaw/ Diane Wilson (lake network sampling only)	PRC: 202B06
Program Description: Ambient Monitoring – Conduct an ongoing assessment of ground and surface water quality to determine existing conditions and to estimate trends, through programs and activities described in Pennsylvania’s Comprehensive Monitoring Strategy such as sample collection and analysis from a network of fixed stream sampling stations, and various, site-specific screening and intensive surveys. Develop and maintain quality assurance plans and standard operating procedures applicable to the above listed activities, and coordinate with other agencies on ambient monitoring to ensure maximum utility of the information generated.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Number of Pennsylvania’s watersheds where: water quality standards are <i>met <u>or improved</u></i> in at least 80% of the assessed water segments; and all assessed water segments maintain their quality and at least 20% of assessed water segments show improvements above conditions as of 2002.	WQ-5: Number of States and Territories that have adopted and are implementing their monitoring strategies in keeping with established schedules.	<p>WATER QUALITY MONITORING PROGRAM:</p> <p><u>OUTPUTS:</u></p> <p>Continuously evaluate Pennsylvania’s existing surface water quality monitoring program to determine the appropriate balance of fixed station, intensive survey and probabilistic sampling necessary to achieve stated objectives and move toward consistency in assessment and listing methodologies. Include the results of that evaluation in the Comprehensive Monitoring Strategy and Implementation Plan.</p> <p>Implement the monitoring strategy described in the above item and report on progress toward meeting the needs, goals and annual milestones identified as part of that strategy in the Section 106 Grant Status Report and the Clean Water Act Integrated Report.</p> <p><u>ACTIVITIES:</u></p> <p>Completed survey reports will be provided upon request. Examples of the various types of intensive surveys include: cause/effect, lake trophic status, point of first use, antidegradation, and unassessed waters surveys. DEP will submit a list of streams and/or lakes surveyed under each category, compiled for the federal fiscal year, as part of the grant status report.</p>	<p>DEP continues to evaluate its surface water quality monitoring program and modifies element design as needed. Any recent modifications will be described below under WQN activities</p> <p>The drinking water (surface source) use pilot project as identified in the comprehensive monitoring strategy document (Monitoring Strategy Element B. Goals p. 13) is continuing. During this reporting period, analysis and assessments were completed for 48 water supply withdrawals and monitoring was initiated at 25 new sources. Thirteen reservoirs and 937 stream miles (240 segments) were assessed as attaining the PWS use. One source water was found to be impaired totaling 1.45 miles, and monitoring continued at 25 new sources.</p> <p>The Stream Survey List for FY ‘11 will be compiled and submitted to EPA during December 2011.</p>

		<p>Maintain an “Existing Use List” on the DEP Website for waters whose existing use has been determined to be more protective than the currently designated use. (Monitoring Strategy element B. 8. pg 12)</p> <p>Revise Water Quality Network (WQN), as necessary, to accommodate the data needs of the Statewide Surface Water Assessment Program, the Chesapeake Bay Program, as well as Pennsylvania’s Antidegradation Program. Revise the WQN document, as needed, to reflect current site locations, parameter coverage and quality assurance procedures and post revisions to DEP website.</p> <p>Implement the WQN as follows:</p> <p>4/1/11-9/30/11-Collect 852 chemical samples -26 reference stations (6X-monthly)=156 samples -112 routine stations (3X-May, Jul, & Sept)=336 samples* -30 CBP loading stations (6X-monthly+storms)=300 samples *20 routine stations are sampled three extra times (Apr,Jun, Aug)=60 samples</p> <p>10/1/11-3/31/12-Collect 906 chemical samples -26 reference stations (6X-monthly)=156 samples -112 routine stations (3X-Oct, Dec, Feb)=336 samples* -32 CPB loading stations (6X-monthly+storms)=320 samples *20 routine stations are sampled three extra times (Nov,Jan,Mar)=60 samples -Approximately 17 Lakes (2X-surface & bottom)=34 samples</p> <p>10/1/11-9/30/12-Collect 96 biological samples -26 reference stations (1/yr)=26 samples -108 routine stations (1/2yrs)=54 samples -32 CPB loading stations (1/2 yrs)=16 samples</p> <p>Collect approximately 100 fish tissue samples at WQN stations and other locations. (Monitoring Strategy elements A. Goals pg. 10 and B. Objectives 3 pg. 11)</p> <p>Maintain cooperative monitoring activities as follows:</p> <p>Continue to collect coho salmon (even years) or steelhead (odd years) samples for tissue analysis as part of the Great Lakes Fish Monitoring Program (GLFMP) under agreement with EPA Region V.</p> <p>Continue to participate in ORSANCO programs to assess fish populations and collect tissue samples for contaminant analysis (PA DEP’s Southwest Region).</p>	<p>The Existing Use List is updated as needed. Forty seven stream basins and their related tributaries were added to the list during this reporting period.</p> <p>Continuous monitoring probes were added to 2 more WQN stations in early Spring. Regarding the CBP Non-Tidal Network: In April 2011, a new station was added on Conewago Creek. In October 2011, two new stations will be added: one on Conewago Creek and another on Big Spring Run.</p> <p>Revisions to the WQN manual continue to document recent network updates and will be completed during the upcoming report period to reflect the changes that have accumulated since the previous edition.</p> <p>Six chemical samples were missed due to the extended leave of a collector. Five additional chemical samples were missed due to weather conditions.</p> <p>15 WQN lakes were sampled during the summer index period at two stations, surface and bottom for nutrients and a variety of indicator chems. Two lakes were dropped due to access problems. The 15 lakes will be carried through the 5-yr period.</p> <p>The targeted 100 fish tissue samples were collected during the previous reporting period to meet this projected annual Monitoring Strategy goal of 100. In addition, fish Consumption Advisory Assessments based on this new data were completed during this reporting period.</p> <p>GLFMP no longer collects coho or steelhead as part of the agreement. Per Region 3’s 10/4/11 email, this reporting item will be removed from the FY ‘12 Section 106 workplan.</p> <p>Participation with ORSANCO will continue as needed.</p>
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Work Plan Component/Program: Monitoring Workyears:	EPA Contact (s): Larry Merrill	State Contact: Gary Walters	PRC: 202B06
Program Description: Ambient Monitoring – Conduct an ongoing assessment of ground and surface water quality to determine existing conditions and to estimate trends, through programs and activities described in Pennsylvania’s Comprehensive Monitoring Strategy such as sample collection and analysis from a network of fixed stream sampling stations, and various, site-specific screening and intensive surveys. Develop and maintain quality assurance plans and standard operating procedures applicable to the above listed activities, and coordinate with other agencies on ambient monitoring to ensure maximum utility of the information generated.			
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		<p>Continue to develop field survey protocols for non-wadeable rivers and streams that measure more than one component of the biological community.</p> <p>Follow-up the current statewide screening assessment and evaluate fish and aquatic life use attainment employing the new Instream Comprehensive Evaluation (ICE) survey protocol applied in both a targeted and probabilistic monitoring design.</p> <ul style="list-style-type: none"> - 30 probabilistic sites per rotating basin (1 basin per Regional Office) = 180 probabilistic sites statewide - 15 (minimum) targeted sites per Regional Office = 90 sites targeted in addition to the statewide probabilistic sites. (Actual number of targeted assessments achieved at specific sites targeted are contingent on Regional Office workload and local assessment priorities) <p>Continue to encourage citizen volunteer sampling for assessment purposes.</p>	<p>Sample processing of macroinvertebrates and fish, analysis of water quality chemistry and data entry is continuing from sample collection that occurred during the previous 2 reporting periods. In addition, processing of mussel samples and analysis of generated data is contingent on award of FY '11 grant monies.</p> <p>Probabilistic monitoring was continued in April and May for two basins: one in the Northcentral Region and one in the Southwest Region. Of the 25 monitoring basins, monitoring has been completed in 24 basins during this reporting period with data analysis continuing for 10 basins. Preliminary results of the survey will be submitted with the 2012 integrated report for those basins where data analysis has been completed. One remaining basin in the West Branch Susquehanna River will be monitored in 2012.</p> <p>Due to delays in receiving funding for monitoring programs, only 2 volunteer groups were recruited for recreational use monitoring of 2 waterbodies during the reporting period. Results of this monitoring will be reported during the next reporting period and will also be submitted with the 2012 Integrated Report.</p>
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Work Plan Component/Program: Compliance Monitoring Workyears:	EPA Contact (s): Chris Menen	State Contacts: Dawn Hissner	PRC: 202B06
Program Description: Compliance Monitoring – Assess the compliance of wastewater treatment facilities with permit conditions through activities such as: maintaining and implementing the compliance monitoring strategy, and monitoring municipal management of wastewater treatment facilities. Provide regional and central office staff participation in the NPDES Inspector Workshop if given.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Reduce or eliminate pollution to surface water	WQ-15a and b: Percent of major dischargers in Significant Noncompliance (SNC) at any time during the fiscal year, and of those, the number, and national percent, discharging pollutant(s) of concern on impaired waters.	<p><u>OUTPUTS:</u></p> <p>No more than 22.5% of major dischargers will be in SNC at any time during the fiscal year.</p> <p><u>ACTIVITIES:</u></p> <p>Using the QNCR, report the number and percent (%) of major discharges in SNC each quarter.</p> <p>Compliance Monitoring Strategy and NPDES Compliance Inspection Plan: see attached plan. PA DEP generally intends to follow the recommended inspection frequencies as outlined in EPA’s CWA NPDES Compliance Monitoring Strategy (October 17, 2007), except as indicated in the attached plan. Please note: the inspection goals outlined in the plan are contingent upon available resources.</p>	<p>Total number of Major dischargers = 409</p> <p># Major dischargers in SNC (latest Watch List) = 53</p> <p>% Major dischargers in SNC = 13%</p>

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Work Plan Component/Program: Workyears:	EPA Contact (s): Chris Menen	State Contacts: Phil Consonery / Dawn Hissner	PRC: 202B06
Program Description:			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Reduce and eliminate pollution to surface waters	WQ-16: Number, and national percent, of all major publicly owned treatment works (POTWs) that comply with their permitted wastewater discharge standards (i.e. POTW’s that are not in significant non-compliance).	<p><u>OUTPUTS:</u></p> <p>At least 86% of major POTWs will be in compliance with their permitted wastewater discharge standards (i.e., POTWs that are not in SNC).</p> <p><u>ACTIVITIES:</u></p> <p>Report the number and percent (%) of major POTWs that are not in SNC each quarter.</p> <p>Provide EPA with copies of all enforcement actions for majors and significant minors.</p>	<p>Total number of Major POTWs = 299 # Major POTWs not in SNC (latest Watch List) = 270 % Major POTWs not in SNC = 90%</p> <p>During this reporting period and per the delegation agreement, DEP sent EPA copies of enforcement actions via EPA’s WaterScapes website. Note that DEP access to WaterScapes was blocked for several months due to server and network issues. However, EPA resolved the problem in September, and DEP is in the process of providing the data as required.</p>

Goal 5: Compliance and Environmental Stewardship			
Objective 5.1: Improve Compliance – Maximize compliance to protect human health and the environment through compliance assistance, compliance incentives, and enforcement			
Subobjective 5.1.3: Monitoring and Enforcement – Identify, correct, and deter noncompliance and reduce environmental risk through monitoring and enforcement by encouraging complying actions during inspections and taking enforcement actions requiring injunctive relief by a date certain.			
Work Plan Component/Program: ICIS NPDES	EPA Contact (s): Nancy Ford	State Contacts: Phil Consonery / Sean Furjanic	PRC: 202B06
Program Description: Integrated Compliance Information System (ICIS-NPDES)			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Reduce and eliminate pollution to surface waters	Enter all required WENDB data elements into ICIS-NPDES ensuring that all state information for the specified data families are entered into ICIS-NPDES and within the designated time frames stated.	<p><u>OUTPUTS:</u></p> <p>The PCS Policy Statement* will be carried out in partnership between EPA and PA DEP. DEP will ensure that information is entered into ICIS-NPDES within the designated times frames as events occur. See the footnotes below.</p> <p>FACILITY DATA - (Majors & Minors**) Facility Name & NPDES Number; Cognizant Official and Telephone; City Code; County Code; Sub Region; SIC Code; Type Ownership; Issued By; Average Design Flow; Receiving Water; Facility Address; Facility Latitude/Longitude Code of Accuracy; Outfall Level Latitude/Longitude.</p> <p>PERMIT TRACKING - (Majors & Minors**) Application Received; Permit Issued; Permit Effective; Permit Expiration; Permit Modified.</p> <p>PERMIT LIMITS DATA (Majors) Major permit limits will be entered within 15 days of the permit effective date OR within 45 days of permit issuance. DEP will maintain a 95% rate or higher.</p> <p>PERMIT MODIFICATION To be entered within 30 days of the action.</p> <p>COMPLIANCE SCHEDULE DATA (Majors) For compliance schedules in permits, data will be entered following the Permit Limits Data schedule above. Because CSOs and other wet weather issues are a national EPA priority, the NPDES Permits Section (DEP) agreed to routinely send EPA a separate CSO status report for all CSO facilities, including Nine Minimum Controls, Long Term CSO Control Plan, and CSO Draft LTCP & Schedule. Compliance schedules within enforcement actions will not be entered.</p> <p>INSPECTION DATA - (Majors & Minors**) All inspections types to be entered within 45 days of the inspection date.</p> <p>ENFORCEMENT ACTION DATA (Majors) Enter formal enforcement actions for Majors within 30 days of execution of the action. If applicable, enter close-out status codes and dates of all enforcement actions where all compliance schedules have been satisfied or when an enforcement action has been superseded by another action.</p>	<p>The commitment to enter data into ICIS-NPDES is ongoing. There were 32 Major and Significant Minor permits and permit amendments (limits) coded into ICIS between April 1, 2011 and September 30, 2011. Since June 2011, DEP has been electronically batching permit actions, permit limits and facility information to ICIS-NPDES through its enterprise data systems.</p> <p>DEP has maintained compliance with the required data entry timeframes for Permit Limits Data (Majors), Permit Modifications, Compliance Schedule Data, and Inspection Data (Majors).</p> <p>DEP has instituted procedures for streamlining the entry of Major enforcement actions into ICIS; however, it has been difficult to enter such data within 10 days of receipt of action. Data are typically entered at one time for a full month of enforcement activity.</p> <p>It is believed that DMR Monitoring Data is generally being entered within 30 days of receipt, with some exceptions due to staffing shortages at regional offices. It is noted that DEP has been batch uploading electronic DMR (eDMR) data to ICIS since July 2009, and the process has been going well. Currently, over 50% of Major/Significant Minor facilities are participating in eDMR. Over time this will continue to improve compliance with the DMR entry task.</p> <p>Since October 1, 2008, EPA has agreed to enter data into ICIS for PA’s inspections of Minor facilities and PA’s Minor permit actions. EPA no longer needs to enter Minor permit actions into ICIS-NPDES, as DEP has been electronically batching such data since June 2011. For Minor inspections, DEP has been transmitting monthly data reports to EPA electronically for ICIS</p>

		<p>DMR MONITORING DATA (Majors) To be entered within 30 days upon receipt (expected to maintain a 95% rate or higher).</p> <p>QUARTERLY NON-COMPLIANCE REPORT (QNCR) DEP will ensure accuracy and timeliness of the QNCR.</p> <p>CONFERENCE CALLS As available, DEP staff will participate in national ICIS-NPDES monthly conference calls.</p> <p>DATA INTEGRITY DEP will perform QA/AC procedures to ensure the accuracy and completeness of the data entered into ICIS.</p> <p>DATA QUALITY CLEAN-UP (Major & Minors) - Continuous Upon EPA's findings of absent data fields in ICIS-NPDES, DEP will work cooperatively with EPA to enter absent data into ICIS-NPDES.</p> <p>PERMIT BACKLOG (Major & Minor) - Ongoing DEP will cooperate in updating and maintaining permit tracking for all active facilities that have been identified by EPA as part of the current permit backlog and identify facilities that no longer discharge as inactive.</p> <p>ERROR TRACKER REPORTS DEP will review, correct and/or provide comments regarding facilities listed in error due to false violations appearing on the ECHO website and data discrepancies that have been pulled from OTIS. Upon completion of review, use the error tracker numbering system and report all findings and corrections back to EPA Headquarters and Region III.</p> <p>Provide updates on outstanding data entry issues, including dual data entry, eDMR functionality, progress on partial/full batch upload to ICIS, etc.</p> <p>*The FFY '11 Section 106 grant provided no additional funds to implement ICIS-NPDES RIDE. As a result, PA DEP will adhere to the WENDB data elements as previously defined in PCS. We cannot commit to RIDE for Minor DMRs, associated limits, and limit sets, or enforcement actions, inspections, and other RIDE for CAFOs, CSOs/SSOs, stormwater construction sites, and separate sanitary sewer systems. DEP has initiated an electronic permitting process and an electronic reporting mechanism to enable regulated facilities to directly submit facility and DMR data to DEP. During the summer of 2009, DEP began batch uploading electronic DMR data to ICIS.</p> <p>**Within 45 days after the end of the semi-annual reporting period, DEP will extract data from eFACTS covering inspection and permit information for Minors. DEP will present the data to EPA in electronic format and will no longer enter this data into ICIS, thus reducing the workload for redundant data entry. This interim solution will occur until eFACTS is able to complete full batch uploads to ICIS, which is dependent primarily on EPA's ability to release full documentation on ICIS. When EPA releases final schema for new sets of data elements, DEP will work expeditiously to configure eFACTS data for transfer to ICIS.</p>	<p>entry. DEP is currently working on a process that will result in the electronic transfer of all inspection records (Major and Minor), which will eliminate the need for EPA entry. This should be completed in calendar year 2012.</p> <p>DEP has entered WENDB elements into ICIS-NPDES for approximately 140 of the 187 data elements. Data not entered include pretreatment (22 fields), CSOs (10 fields), CAFOs (4 fields), biosolids (4 fields), SSOs (4 fields), and MS4s (1 field). Since EPA has primacy over the pretreatment program, DEP assumes that data for pretreatment will be maintained by EPA.</p>
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Goal 2: Safe and Clean Water – Ensure drinking water is safe. Restore and maintain oceans, watersheds, and their aquatic ecosystems to protect human health, support economic and recreational activities, and provide healthy habitat for fish, plants, and wildlife.			
Objective 2.2: Protect Water Quality – Protect the quality of rivers, lakes and streams on a watershed basis and protect coastal and ocean waters.			
Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: TMDL Workyears:	EPA Contact (s): Elizabeth Gaige	State Contact: Bill Brown	PRC: 202B06
Program Description: TMDLs			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Development of TMDLs that are part of a larger, watershed planning process that address all impaired waters within a watershed which will improve water quality.	<p>WQ-8(a): Number, and national percent, of TMDLs that are established or approved by EPA (Total TMDLs) on a schedule consistent with national policy.</p> <p>WQ-8(b): Number, and national percent, of approved TMDLs that are established by States and approved by EPA (State TMDLs) on a schedule consistent with national policy.</p>	<p><u>OUTPUTS:</u></p> <p>Establish 350 new TMDLs for Pennsylvania's Impaired Waters.</p> <p>Develop an agreement with EPA for establishing an appropriate schedule for developing TMDLs, post consent decree, by March, 2011.</p> <p><u>ACTIVITIES:</u></p> <p>Develop 350 TMDLs in accordance with the MOU of April 7, 1997. Provide EPA a schedule with numbers of TMDLs expected each quarter.</p> <p>Establish a Post Consent Decree TMDL Development Strategy with EPA and begin implementation of that strategy for TMDL development.</p> <p>Complete and update a summary list of TMDLs developed that address full and partial impairments.</p>	DEP established TMDL for approximately 425 segments listed in Category 5 of Pennsylvania’s Integrated Report and had provided EPA with quarterly updates on TMDLs that would be submitted for review. This is in concert with the Post-Consent Decree agreement calling for 350 new TMDLs. An updated list of existing full and partial TMDLs will be compiled for use as List 4a in the 2012 Integrated Report.

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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: NPDES Permitting Workyears:	EPA Contact (s): Brian Trulear	State Contact: Ron Furlan / Sean Furjanic	PRC: 202B06
Program Description: NPDES Permitting – Carry out the State permit program for controlling discharges to protect public health; meet water quality and technology based standards; and assure that the design and construction of water pollution control facilities achieve established effluent limitations. Maintain and update, as needed, the Bureau’s permitting program policies and guidance.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.	WQ-11: Number, and national percent, of follow-up actions that are completed by assessed NPDES (National Pollutant Discharge Elimination System) programs (cumulative).	<p><u>OUTPUTS:</u></p> <p>Outputs and activities for this measure originated from EPA’s Permit Quality Review (PQR).</p> <p><u>ACTIVITIES:</u></p> <p>Maintain and provide a status list of CSO permits, LTCPs, NMCs, and Consent Order & Agreements.</p> <p>Provide comments to EPA on the 2008 Draft PQR Report by October 31, 2010.</p> <p>Submit Action Item progress reports to EPA by the due date of the semi-annual Section 106 progress reports:</p> <ul style="list-style-type: none"> • Implementation of PQR recommendations and Action Items • Percent of permits reviewed meeting Action Item requirements • Number of permit objections 	<p>DEP maintains a list of CSO permits, LTCPs, NMCs, and Consent Order & Agreements and provided this information to EPA Region 3 on October 3, 2011.</p> <p>DEP will work in partnership with EPA to address PQR action items per the State Review Framework (SRF) and Permit Quality Review (PQR) work plan for FFY 2012.</p>

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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: NPDES Permitting Workyears:	EPA Contact (s): Brian Trulear	State Contact: Ron Furlan / Sean Furjanic	PRC: 202B06
Program Description: Implement the NPDES Permitting Program.			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.	<p>WQ-12a: Percent of non-tribal facilities covered by NPDES permits that are considered current.</p> <p>WQ-19a: Number of high priority state NPDES permits that are issued in the fiscal year.</p>	<p><u>OUTPUTS:</u></p> <p>The number of priority permits identified for issuance in FFY 2011 will be completed by the end of FFY2011. This list of permits will be finalized by 8/31/2010.</p> <p><u>ACTIVITIES:</u></p> <p>Review and revise permitting guidance documents, design manuals, permits and permit applications; post them on PA DEP’s web site.</p> <p>Review and re-issue general NPDES permits when they expire and continue to implement timely renewals to meet the goal of 10% backlogged major/minor permits by the end of FFY ’11.</p> <p>Develop regional guidance on current and new ELGs.</p> <p>Sanitary Sewer Overflows – Continue to issue permits with EPA-approved general SSO prohibition.</p> <p>Require WETT/biomonitoring testing for all major POTWs that apply for renewal of their NPDES permit. Continue to implement the WETT program with emphasis on laboratory quality assurance. Assist regions in evaluating biomonitoring activity reports.</p> <p>Provide a schedule for incorporating Waste Load Allocations (WLA) into the state’s remaining significant point sources by February 1, 2011. PA DEP will incorporate WLAs for non-significant point sources on an as-necessary basis.</p> <p>Submit a listing and associated compliance dates for permit limits and the effective dates by February 1, 2012.</p>	<p>DEP continues to review and revise permitting guidance documents, design manuals, permits, and permit applications and post them on our web site.</p> <p>DEP continues to review and reissue general NPDES permits when they expire and continues to implement timely renewals to reduce the backlog.</p> <p>DEP continues to develop regional guidance on current and new ELGs.</p> <p>DEP continues to issue permits with EPA-approved general SSO prohibitions.</p> <p>DEP continues to require WETT testing/biomonitoring for all Major POTWs that apply for renewal of their NPDES permit.</p> <p>During the reporting period, DEP was unable to compile data on the activities in this section of the status report relating to TMDLs and WLAs, except for significant discharges in the Chesapeake Bay watershed. DEP’s enterprise data systems are currently unable to store such information, although requests have been made for improvements to those systems. To address this issue, DEP is offering to provide EPA with all NPDES permits (including those waived under the delegation agreement) by transferring them electronically to the shared DEP/EPA ftp site. EPA can then, if desired, collect such data using its own resources.</p>

		<p>Submit for EPA review, as developed, all draft permits that incorporate the TMDL WLAs.</p> <p>For data that is unavailable in ICIS, work with EPA to develop a quarterly reporting function that provides EPA with updates on permit compliance with the TMDL and Chesapeake Bay tributary strategies.</p> <p>Participate in Quarterly Enforcement Management calls to provide necessary information to support the Chesapeake Bay TMDL activities. PA DEP will provide EPA with WLA updates as necessary.</p> <p>Submit the following information to EPA by the due date of the semi-annual Section 106 progress reports:</p> <ul style="list-style-type: none">• Number and date of permits issued with numeric limits based on TMDL WLAs• Compliance Rates• Number of facilities with TMDL WLAs in violation of nutrient limits	<p>There were 7 Phase 3 sewage and 3 Significant Industrial Waste permits issued in the Chesapeake Bay watershed during this reporting period (note this information is available in ICIS):</p> <ul style="list-style-type: none">- PA0087661, Chestnut Ridge MA, issued 6/21/11, annual cap loads: 22,877 lbs/yr TN, 1,717 lbs/yr TP.- PA0061590, Little Washington WW Co., issued 6/17/11, annual cap loads: 24,073 lbs/yr TN, 3,210 lbs/yr TP.- PA0043575, Lykens Bo., issued 5/13/11, annual cap loads: 7,563 lbs/yr TN, 998 lbs/yr TP.- PA0020214, Mount Union Bo., issued 4/8/11, annual cap loads: 17,351 lbs/yr TN, 2,314 lbs/yr TP.- PA0025381, Saxton Bo., issued 5/27/11, annual cap loads: 7,306 lbs/yr TN, 974 lbs/yr TP.- PA0043681, Valley Joint SA, issued 6/1/11, annual cap loads: 42,220 lbs/yr TN, 5,479 lbs/yr TP.- PA0084425, Conewago Township, issued 5/20/11, annual cap loads: 9,132 lbs/yr TN, 1,218 lbs/yr TP.- PA0008231, Gold Mills, issued 8/3/11, annual cap loads: 7,065 lbs/yr TN, 271 lbs/yr TP.- PA0008885, Proctor & Gamble, issued 6/1/11, annual cap loads: 100,360 lbs/yr TN, 5,441 lbs/yr TP.- PA0035092, Tyson Foods, issued 8/16/11, annual cap loads: 54,794 lbs/yr TN, 559 lbs/yr TP.
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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: NPDES Permitting Workyears:	EPA Contact (s): Brian Trulear	State Contacts: Measure (a) Barry Newman, (b) Sean Furjanic, (c) Jennifer Orr, and (d) Tom Juengst	PRC: 202B06
Program Description: Pennsylvania’s Program			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.	<p>WQ-13 a: Number, and national percent, of MS-4s municipalities with designated urbanized areas covered under either an individual or general permit.</p> <p>WQ-13 b: Number of facilities covered under either an individual or general industrial storm water permit.</p> <p>WQ-13 c: Number of sites covered under either an individual or general construction storm water site permit.</p> <p>WQ-13 d: Number of facilities covered under either an individual or general CAFO permit.</p>	<p><u>OUTPUTS:</u></p> <p>Continue to work on state and federal facilities’ MS4 permits.</p> <p>Issue/Reissue CAFO permits. Provide EPA with semi-annual status reports.</p> <p>Issue significant Chesapeake Bay permits consistent with the PA CBP nutrients strategy.</p> <p><u>ACTIVITIES:</u></p> <p>Submit permits for EPA’s review and comment as outlined in the Memorandum of Agreement.</p> <p>Discuss EPA’s comments and negotiate options to address identified concerns in the Stormwater Program Review.</p> <p>Provide training to MS4 permittees regarding permit implementation. EPA technical assistance is available upon request.</p> <p>PA DEP submitted an MS4 Compliance Monitoring Strategy for EPA’s review on September 2, 2010. PADEP will discuss EPA’s comments and negotiate a FY 2011 MS4 CMS within 60 days upon receipt of EPA comments.</p> <p>Report the number of MS4s inspected and number of Annual Reports reviewed and commented on by PA DEP.</p> <p>Provide guidance to MS4s and PA DEP staff as needed and continue to track MS4 permit authorizations through DEP’s eFACTS database system.</p>	<p>WQ-13a: EPA concurred with the renewal of PAG-13 on August 19, 2011. DEP published announcements in the <i>Pennsylvania Bulletin</i> on September 17, 2011, concerning availability of the renewal PAG-13 and the extension of the current PAG-13 to March 15, 2013. Workshops will be conducted during the first quarter of 2012. Renewal submissions are due by September 14, 2012.</p> <p>MS4 field inspections: 12 MS4 annual reports reviewed: 398</p>

		<p>Continue to carry out SW Phase II Compliance Monitoring Strategy. The focus of the compliance monitoring efforts will be prioritized based on the review and follow-up of MS4s annual report submissions; facility inspections may also be carried out as part of DEP's routine and ongoing overall NPDES compliance monitoring program.</p> <p>Provide guidance to MS4s and DEP staff as needed. Hold one stormwater program training meeting for central and regional staff.</p> <p>Continue MS4/Stormwater Construction Permit outreach as needed.</p> <p>Continue to establish an MS4 permit program that builds on and compliments the existing state 167 stormwater planning program and the NPDES stormwater construction program.</p> <p>DEP, along with delegated county conservation districts, will continue to implement Phase I and II NPDES permit requirements utilizing the amended general (PAG-02) and individual NPDES Construction Permits. This implementation process includes permit processing, site inspections, compliance actions, training and educational outreach efforts, and the development of program guidance.</p> <p>Continue technical erosion and sediment control plan and post construction stormwater plan review training for conservation districts and DEP regional office staff.</p> <p>Continue to pursue proposed regulatory revisions that include mandatory forest riparian buffer requirements for projects in EV waters and otherwise provide incentives for the use of buffers in all other waters (Chapter 102 Erosion and Sedimentation Control).</p> <p>Continue to encourage low impact development best management practices for all construction activities.</p> <p>Provide semi-annual reports on current facilities covered under either an individual permit or general permit by type: (a) MS4s; (b) industrial storm water; (c) construction storm water*; (d) CAFOs. Exception: current permit data is not available for the construction stormwater general permits.</p> <p><i>*The lag time is considerable for gathering accurate data for item (c). PA DEP will provide, to the best of our knowledge, an estimate of the number of facilities covered by the construction stormwater general permit in order for EPA to report on this PAM measure.</i></p>	<p>One training meeting for DEP staff was held December 17, 2010.</p> <p>Twenty-three counties have prepared county-wide Act 167 plans that complement and satisfy certain conditions in MS4 permits. Three additional counties will complete county-wide Act 167 plans soon.</p> <p>Training of delegated conservation district staff and DEP regional office staff was conducted. A series of trainings related to the new regulations and the impacts to the NPDES construction stormwater and E&S permits was conducted in September and October. Annual program training was also conducted in October for the same audiences</p> <p>Ongoing.</p> <p>DEP finalized the Chapter 102 regulation, which requires riparian buffers for SPW meeting its existing use and riparian forest buffers for SPW that are impaired or impaired with TMDL. The regulations became effective on 11/19/2010.</p> <p>The Chapter 102 regulations (Erosion and Sediment Control and Stormwater Management) codify existing stormwater management requirements and also include additional requirements for construction stormwater NPDES and E&S permits in the area of long term operation and maintenance of post construction stormwater management BMPs.</p> <p>WQ-13a:</p> <p>WQ-13b: As of September 30, 2011, there were 227 industrial stormwater facilities coverage by an individual NPDES permit, and 1,944 industrial stormwater facilities covered by the statewide general NPDES permit (PAG-03).</p> <p>WQ-13c: 5,979 sites are under a construction stormwater general permit and 1,155 sites under a construction stormwater individual permit.</p>
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		<p>Continue to implement CAFO permit and compliance tracking. An updated semi-annual permit and compliance table listing of CAFO sites is provided as “PA CAFOS.xls”.</p> <p>Continue processing CAFO permit applications and transfers. Operations are inspected prior to permit issuance and at least every five years. Our goal is to inspect each permitted facility annually. County conservation districts assist in this by inspecting smaller operations. State water quality management permits are required for all liquid and semi-solid manure storage facilities for CAFOs with more than 1,000 animal equivalent units and professional engineer certification is required for any new liquid and semi-solid manure storage facility. As part of the CAFO semi-annual permit and compliance listing, report the total universe number of CAFOs in the Commonwealth, which would include those that have and have not made application for a permit. DEP has completed development of its “Implementation Guidance for NPDES CAFO Permits and Water Quality Management Permits for Manure Storage Facilities” to assist program participants and DEP staff with permit applications and reviews. DEP has revised its other CAFO related permit documents and guidance, and as needed, will make additional revisions. Input and review of the program and revisions is obtained from advisory groups, and outreach continues to be provided to assisting agencies and affected groups.</p>	<p>WQ-13d: 364 operations are currently covered by the Pennsylvania NPDES CAFO permit program through September 30, 2011. The permit coverage has 188 under General Permits and 186 under Individual Permits. 185 inspections by DEP were carried out during the six-month reporting period, in addition to status reviews conducted by County Conservation Districts on CAFOs and other agricultural operations in the state. Additional site and program details are provided in the attached file, “PA CAFOs 9-30-11 List.xls”.</p> <p>Pennsylvania is continuing to implement the program under the current Pennsylvania regulations. This includes active engagement on updating the general permit, including discussion with our Ag Advisory Board, regional staff, and EPA on revisions to the permit. A compliance effort outlined in the WIP for the Chesapeake Bay watershed will serve to include any operations that have not made application for required plans or permits. The compliance effort will work with parallel activities that include an updated Manure Management Manual and implementation of the revisions to the erosion and sedimentation controls regulations that address planning and increase plan implementation.</p>
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Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: NPDES Permitting Workyears:	EPA Contact (s): Brian Trulear	State Contact: Ann Roda	PRC: 202B06
Program Description:			
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.	WQ-20: Number of facilities that have traded at least once plus all facilities covered by an overlay permit that incorporates trading provisions with an enforceable cap.	<p><u>OUTPUTS:</u></p> <p>Both of these activities are voluntary. PA DEP will report the net loads in ICIS for the participating Chesapeake Bay significant dischargers. Along with the semi-annual status reports for the 106 grant, DEP will also provide a spreadsheet to EPA that contains additional details on Pennsylvania’s nutrient trading program, including Permit No., Buyer Name, Seller Name, Regional Office, Trading Agreement Signature Date, Date Credits Become Effective, Length of the Agreement, N Credits, Price of N Credits, P Credits, Price of P credits, and Origin of Credits.</p> <p><u>ACTIVITIES:</u></p> <p>DEP has developed and is implementing a voluntary trading program.</p>	<p>As of October 13, 2011, 119 certification requests have been submitted for review, and 95 have been approved. This is a cumulative total since the release of the interim final policy in 2005. Twelve contracts have been entered into for the use of credits towards NPDES permit compliance. And, through the Nutrient Credit Clearinghouse, PENNVEST held two successful auctions in the Fall of 2010 in which they will exchange 21,000 N for 3 years at a price \$3.04/credit and 41,000 N for 1 year at a price \$2.75/credit. The credits will all be used towards 1 permit. PENNVEST will host auctions this fall for the sale and purchase of nutrient credits in the Susquehanna and Potomac watersheds. Specifically, there will be two “spot” auctions of verified credits, applicable to the 2011 compliance year (i.e., Oct. 1, 2010 – Sept. 30, 2011). These auctions will be held on November 2, 2011 and November 9, 2011.</p> <p>A spreadsheet accompanies this Section 106 status report, titled “PA_contracts_trades_106_reporting_10-13-11”.</p>

Goals 2, 4 and 5: See above descriptions																											
Objectives 2.1, 2.2, 4.3 and 5.1: See above descriptions																											
Subobjectives: See above subobjective numbers and descriptions																											
Work Plan Component/Program: Program Management		EPA Contact (s):	State Contact: Phil Consonery PRC: 202B06																								
Program Description: PA DEP is voluntarily providing the following information to provide a wider perspective on state program implementation.																											
Environmental Outcomes	Measures	Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment																								
See above descriptions	See above descriptions	<p><u>OUTPUTS:</u> Full Time Equivalentents charged to the Section 106 grant (at 1,600 hours per FTE): 74 and 65 FTEs are budgeted for FFY ‘11 and ‘12, respectively. PA DEP staff charge approximately 15% of the FTEs to Water Pollution Control Program Development (CATS work code 36102) and the remaining time is devoted to Water Pollution Control program Implementation (36103), TMDL Development (39391), TMDL Mining Offices (56690), Chapter 102 NPDES Permitting (39701), MS4 Program (39703), and CAFO Program (39705). PA DEP matches the charges at 46% or more. (Note: CATS = Cross-Application Time Sheets)</p> <p>Historically, the grant has supported the following number of FTEs in PA DEP’s Water Pollution Control program:</p> <table><tr><td><u>FFY</u></td><td><u>FTEs</u> (as budgeted)</td></tr><tr><td>2002</td><td>103</td></tr><tr><td>2003</td><td>103</td></tr><tr><td>2004</td><td>111</td></tr><tr><td>2005</td><td>107</td></tr><tr><td>2006</td><td>101</td></tr><tr><td>2007</td><td>99</td></tr><tr><td>2008</td><td>79</td></tr><tr><td>2009</td><td>76</td></tr><tr><td>2010</td><td>80</td></tr><tr><td>2011</td><td>74</td></tr><tr><td>2012</td><td>65</td></tr></table> <p>FTEs charged to 100% state-funded activities and outputs (at 1,600 hours per FTE): Under Pennsylvania statute, and in conjunction with the federal Clean Water Act, PA DEP charges additional CATS work codes to further the goals and purposes of the Water Pollution Control program. These activities and codes include General WPC Program Management (36101), Wasteload Management (36105), Issue State Construction Permits (36107), Act 537 Sewage Disposal Program (36110), Act 537 Planning Program (36120), Chapter 102 E&S (39077), and Unassessed Water Program (39417).</p>	<u>FFY</u>	<u>FTEs</u> (as budgeted)	2002	103	2003	103	2004	111	2005	107	2006	101	2007	99	2008	79	2009	76	2010	80	2011	74	2012	65	<p>See the attached spreadsheet “PADEP 106 CATS Report 10-1-10 to 9-30-11.xls” for details on DEP’s Cross Application Time Sheets (CATS). 36102 = 10 FTEs 36103 = 102 FTEs 39391 = 4 FTEs 39701 = 16 FTEs 39703 = 2 FTEs 39705 = 4 FTEs 56690 = 1 FTE Total for FFY 2011 = ~ 139 FTEs (includes state match)</p> <p>See the attached spreadsheet “PADEP 106 CATS State Match Report 10-1-10 to 9-30-11.xls” for details on DEP’s Cross Application Time Sheets (CATS). 36101 = 28 FTEs 36105 = 3 FTEs 36107 = 11 FTEs 36110 = 21 FTEs 36120 = 24 FTEs 39077 = 9 FTEs 39417 = 6 FTEs Total for FFY 2011 = ~ 102 FTEs (100% state funded)</p>
<u>FFY</u>	<u>FTEs</u> (as budgeted)																										
2002	103																										
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2005	107																										
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Goal 2: Safe and Clean Water – Ensure drinking water is safe. Restore and maintain oceans, watersheds, and their aquatic ecosystems to protect human health, support economic and recreational activities, and provide healthy habitat for fish, plants, and wildlife.			
Objective 2.2: Protect Water Quality – Protect the quality of rivers, lakes and streams on a watershed basis and protect coastal and ocean waters.			
Subobjective 2.2.1: Improve Water Quality on a Watershed Basis – Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: NPDES/Enforcement	EPA Contact (s): Chris Menen	State Contact: Kevin Anderson	PRC: 202B06
Program Description:			
Environmental Outcomes	Measures	Section 106 “Permitting and Enforcement Supplemental” Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Control discharges to protect public health, meet technology based standards, and meet and improve water quality.		<p><u>CERTIFICATION:</u></p> <p>By submitting this application, the Commonwealth of Pennsylvania certifies that the \$305,800 increased funds will be used to strengthen permitting and enforcement efforts and to ensure that these funds supplement and expand, not supplant, base permitting and enforcement program resources.</p> <p>The actual Maintenance of Effort (MOE) in the amount of \$4,963,523 has been expended from the Commonwealth of Pennsylvania on water pollution control programs during the most recent twelve month accounting period (October 1, 2008 through September 30, 2009). During the same period, the Commonwealth’s share of expenditures included an additional \$841,553 above the MOE as verified in the Federal Financial Report for the Section 106 grant, dated October 8, 2009.</p> <p><u>OUTPUTS:</u></p> <p>Improved water quality at POTW outfalls and receiving streams through implementation of a wastewater optimization program. The wastewater optimization program is designed to optimize nutrient reduction through low-cost operational improvements. PA DEP will target POTWs that are discharging the highest nutrient levels and/or nutrient loadings.</p> <p><u>ACTIVITIES:</u></p> <p>Prioritize the POTWs that are discharging the highest nutrient levels and select POTWs most likely to succeed with optimization.</p> <p>Conduct 6-week performance assessments at each POTW (10 per year).</p> <p>Lead wastewater operators toward optimized nutrient reduction through training, low-cost operational improvements, and best management practices.</p> <p>Summarize and document findings in a report that is presented to POTW staff.</p> <p>(see below for project budget summary)</p>	<p>PA DEP initiated these activities and outputs under the Section 106 Water Pollution Control grant on July 1, 2011, per the project budget summary on the next page.</p> <p>Since July 1, 2011, two Wastewater Plant Performance Evaluations (WPPEs) have been completed in Western PA (James City and Corsica) and one WPPE has been started in Eastern PA (Portland). Detailed results are available within each WPPE report and are available upon request at 717-783-9764 or keanderson@pa.gov.</p>

		POTW Project Budget Summary				
		<u>Budget Category</u>	<u>7/1/11 - 6/30/12</u>	<u>7/1/12 - 9/30/12</u>	<u>TOTAL</u>	
		Personnel/benefits (2 FTEs)*	158,902	39,726	198,628	
		salary: positions 50333364 & 50333365				
		benefits @ 42.64%				
		Training/Travel	6,000	1,500	7,500	
		Equipment**	-	-	-	
		Supplies	19,245	4,811	24,056	
		Contractual	-	-	-	
		Other (laboratory services)	16,000	4,000	20,000	
		Indirects	44,493	11,123	55,616	
		28% of personnel/benefits				
		TOTAL	\$ 244,640	\$ 61,160	\$ 305,799	
		* Personnel costs include annual salary for 26.08 pay periods; benefits; and annual, sick, and holiday leave.				
		** Items under \$5,000 are considered supplies under the Commonwealth of PA's accounting system.				

Goal 2: Safe and Clean Water – Ensure drinking water is safe. Restore and maintain oceans, watersheds, and their aquatic ecosystems to protect human health, support economic and recreational activities, and provide healthy habitat for fish, plants, and wildlife.			
Objective 2.2: Objective 2: Protect Water Quality – Protect the quality of rivers, lakes and streams on a watershed basis and protect coastal and ocean waters.			
Subobjective 2.2.1: Improve Water Quality on a Watershed Basis - Use pollution prevention and restoration approaches to protect and restore the quality of rivers, lakes, and streams on a watershed basis.			
Work Plan Component/Program: Enforcement Workyears:	EPA Contact (s): Chris Menen	State Contacts: Phil Consonery / Bill McNamara (training) / Dawn Hissner	PRC: 202B06
Program Description: Initiate actions outlined in the Clean Water Act (CWA) Action Plan aimed to focus our NPDES planning and resources on the most significant sources of water quality impairment. The Office of Enforcement and Compliance Assurance and the Office of Water requested Region 3 to work with Pennsylvania DEP to identify water quality priorities at the national, regional and state level. The Strengthening EPA and State Performance work plans focus on individual NPDES program areas to ensure a coordinated and integrated planning process across the permitting and enforcement programs.			
Environmental Outcomes	Measures	Section 106 “NPDES Permitting and Enforcement Workplans” Outputs for FFY 2011 (October 1, 2010 thru September 30, 2011) (Commitments)	Status/Comment
Reduce and eliminate pollution to surface waters		<p>OUTPUTS: Semi-annual reports submitted through the Section 106 grant.</p> <p>ACTIVITIES:</p> <p>State implementation of the FFY 2011 NPDES Permitting and Enforcement workplans. The FFY 2011 focus areas for Pennsylvania are: State Review Framework</p> <p>Per PA DEP’s August 18, 2010 letter to Associate Director McGuigan, DEP has implemented the feasible recommendations identified through the Round 1 SRF. DEP is awaiting EPA action on several items identified in the letter.</p> <p>PA DEP will work in partnership with EPA to coordinate FFY 2011 SRF activities.</p> <p>PA DEP will work expeditiously to configure eFACTS for automatically transferring data to ICIS. The schedule is contingent upon EPA’s release of final schema for new data families (Phases 1 through 3). Data-related activities in response to SRF Round 1 include:</p> <ul style="list-style-type: none"> PA DEP has agreed to export the following data out of eFACTS (via an Excel spreadsheet) and report the data to EPA as an attachment to the semi-annual progress report for the Section 106 grant. <ul style="list-style-type: none"> Non-DMR related violations (SEVs) Penalty amounts and enforcement actions for non-majors Pilot test a manual ICIS batch upload process for Phase 1 (NPDES permit actions, permit limits and related information, and facility information) by March 30, 2011 and 	<p>Attached are Excel spreadsheets that contain all Single Event Violations (SEVs) recorded in eFACTS for the period April 1 – September 30, 2011 (“PADEP SEVs 4-1 to 9-30-11.xls”) and all enforcement actions (formal and informal) and penalty amounts for Minors (“PADEP Minor Enforcements 4-1 to 9-30-11.xls”).</p> <p>DEP has completed the Phase 1 data flow, and is electronically batching data to ICIS. DEP has initiated work on Phase 2 (inspections).</p> <p>Regarding the FFY 2011 SRF, DEP completed the following activities during this reporting period:</p> <ul style="list-style-type: none"> Provided all requested information ahead of the SRF review. Participated in the 5/24/2011 SRF kick-off conference call. Participated in the SRF reviews in the SW and NW regions during the week of 6/13/2011. Provided additional follow-up information as requested. <p>DEP is awaiting a draft SRF report to provide comment.</p> <p>The program’s business rules for the proposed eDMR/Water Management System are complete; the next step is for DEP to</p>

		<p>strive for automated uploads by September 30, 2011.</p> <ul style="list-style-type: none">• Continue developing DEP’s internal Water Management System and a new external electronic Discharge Monitoring Report system in preparation for automated data uploads from eFACTS to ICIS, including Single Event Violations, inspections (Phase 2), and enforcement actions (Phase 3). <p>Permit Quality Review (see page 17)</p> <p>Chesapeake Bay Watershed Point Sources (see pages 18-19)</p> <p>MS4 (see pages 20-21)</p>	<p>procure contractual resources to complete the project. When complete (possibly 3-4 years), DEP will be better equipped to manage the program and transfer data to ICIS.</p>
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